**Unit 9 Map (Ecology)**

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| **Topic** | **Specific Learning Target** | **DBA Score (%)** | **Test Score** (%) |
| 1. Ecosystem Ecology Basics | A. I can identify and describe the different levels of ecological organization—biosphere, biome, ecosystem, community, and population. |  |  |
| B. I can describe the events involved in primary and secondary ecological succession. |
| C. I can list key features of the main terrestrial and aquatic biomes. |
| 2. Population Ecology | D. I can compare/contrast the two types of population growth – exponential and logistic. |  |  |
| E. I can compare and contrast the types of limiting factors to population growth—density dependent and density-independent. |
| F. I can analyze age structure pyramids and describe how human populations are growing based on these diagrams. |
| 3. Community Ecology | G. I can compare and contrast the different types of symbiotic relationships within communities. |
| 4. Nutrient Cycles and Food Webs | H. I can describe the energy transfers (food chains and food webs) that occur within an ecosystem. |  |  |
| I. I can describe the cycling of key elements and compounds (ex: nitrogen, sulfur, phosphorus, carbon, and water) between living organisms and the non-living environment. |